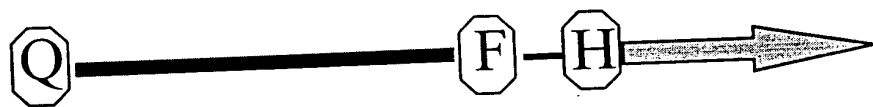
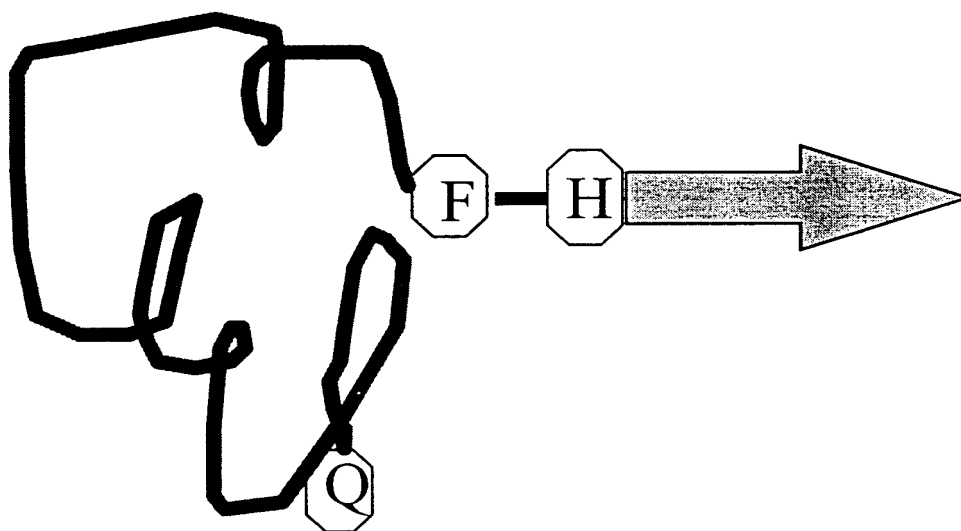


Figure 1



09974870-101201
T02T0T" 02842660

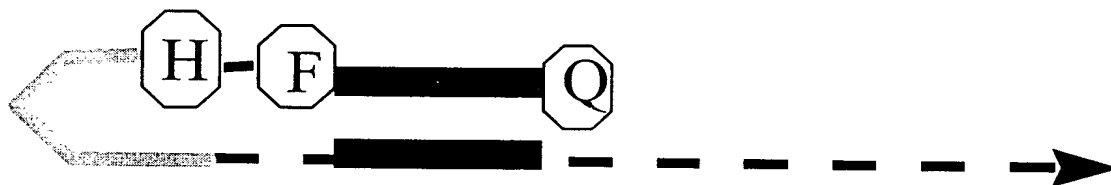
2/42

Figure 2

09974870.101201

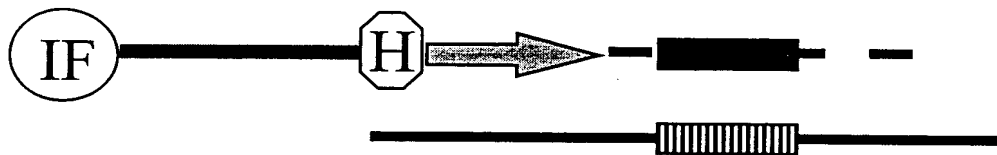
3/42

Figure 3

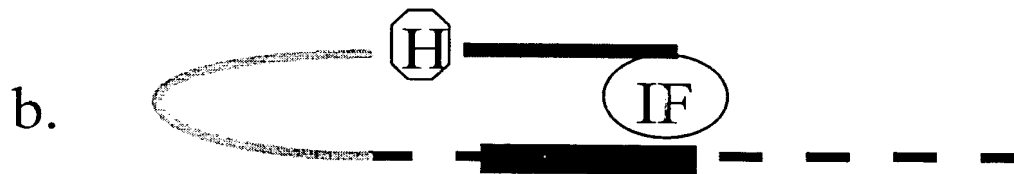


09974870-101244

4/42

Figure 4

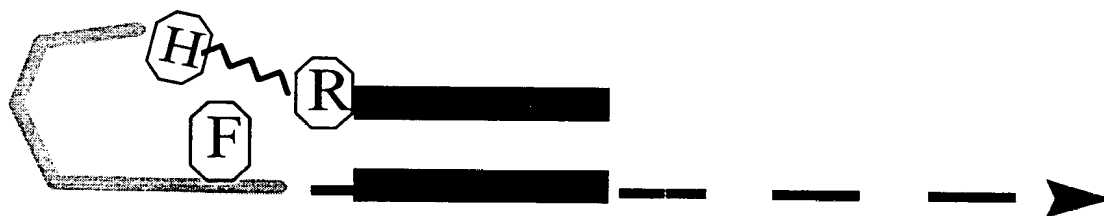
a.



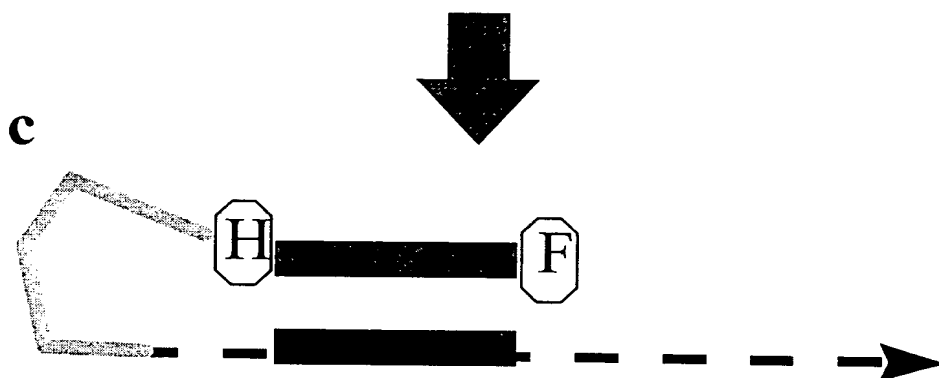
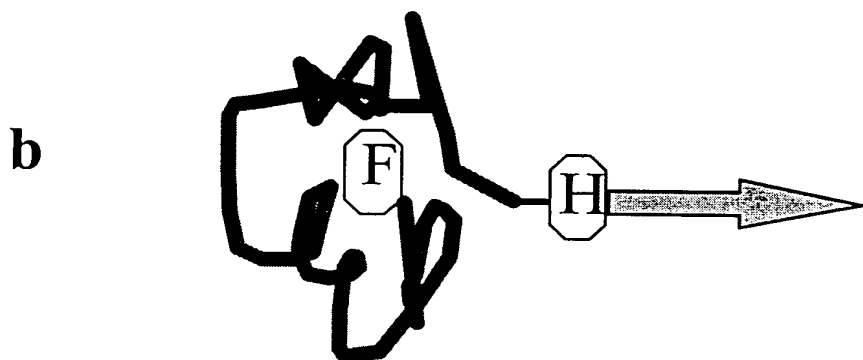
b.

T02TDT 0484660

5/42

Figure 5

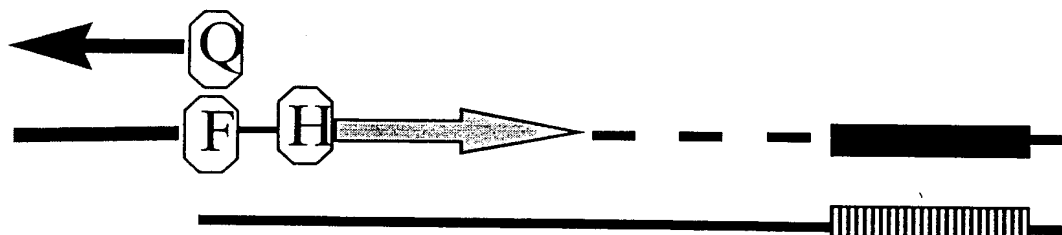
6/42

Figure 6

FOI b7D - 0284660

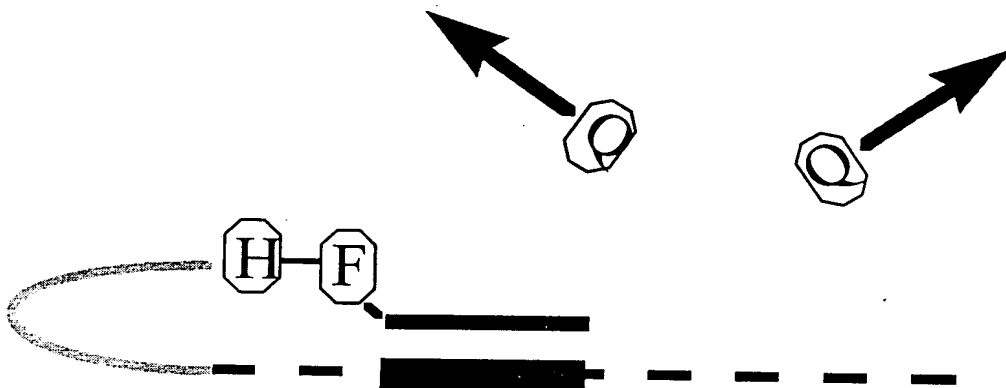
A diagram of a double-stranded DNA molecule. The top strand is labeled 'Q' and has an arrow pointing left. The bottom strand is labeled 'F' and 'H' and has an arrow pointing right.

8/42

Figure 7b

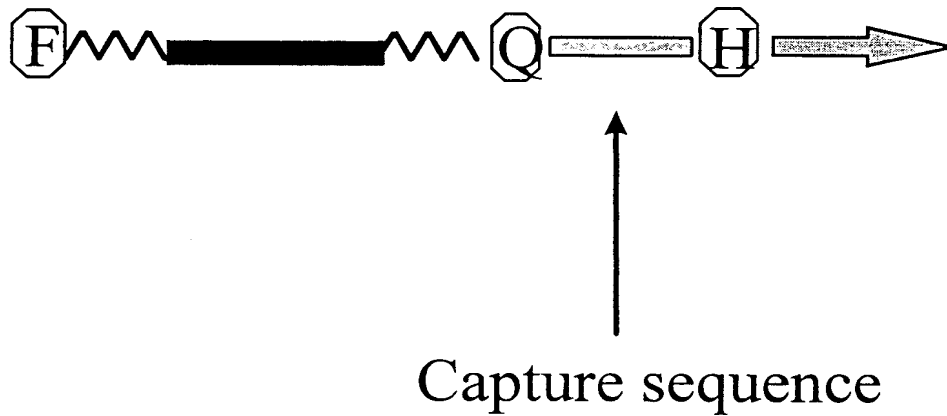
FOOTNOTES 02842660

9/42

Figure 7c

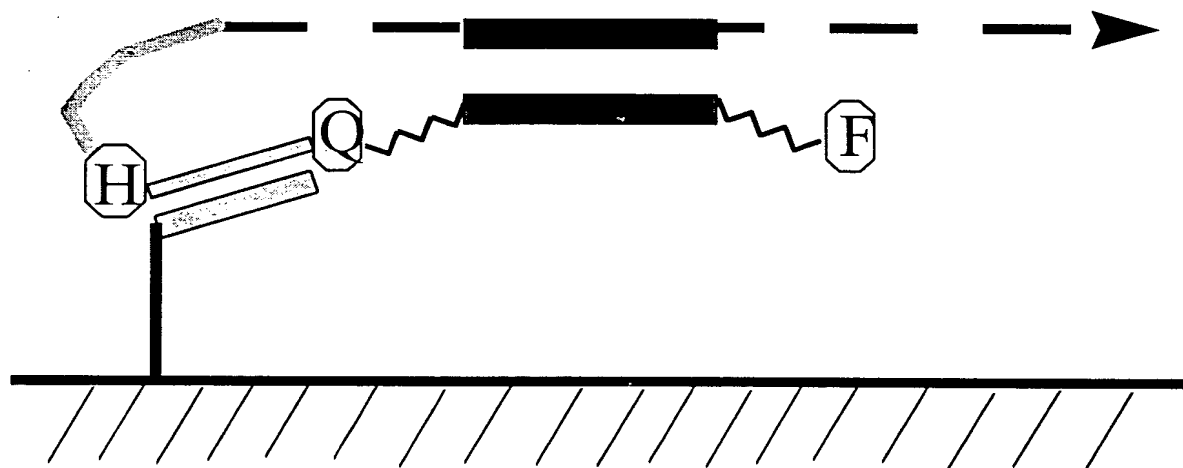
09974870.101204

10/42

Figure 8a

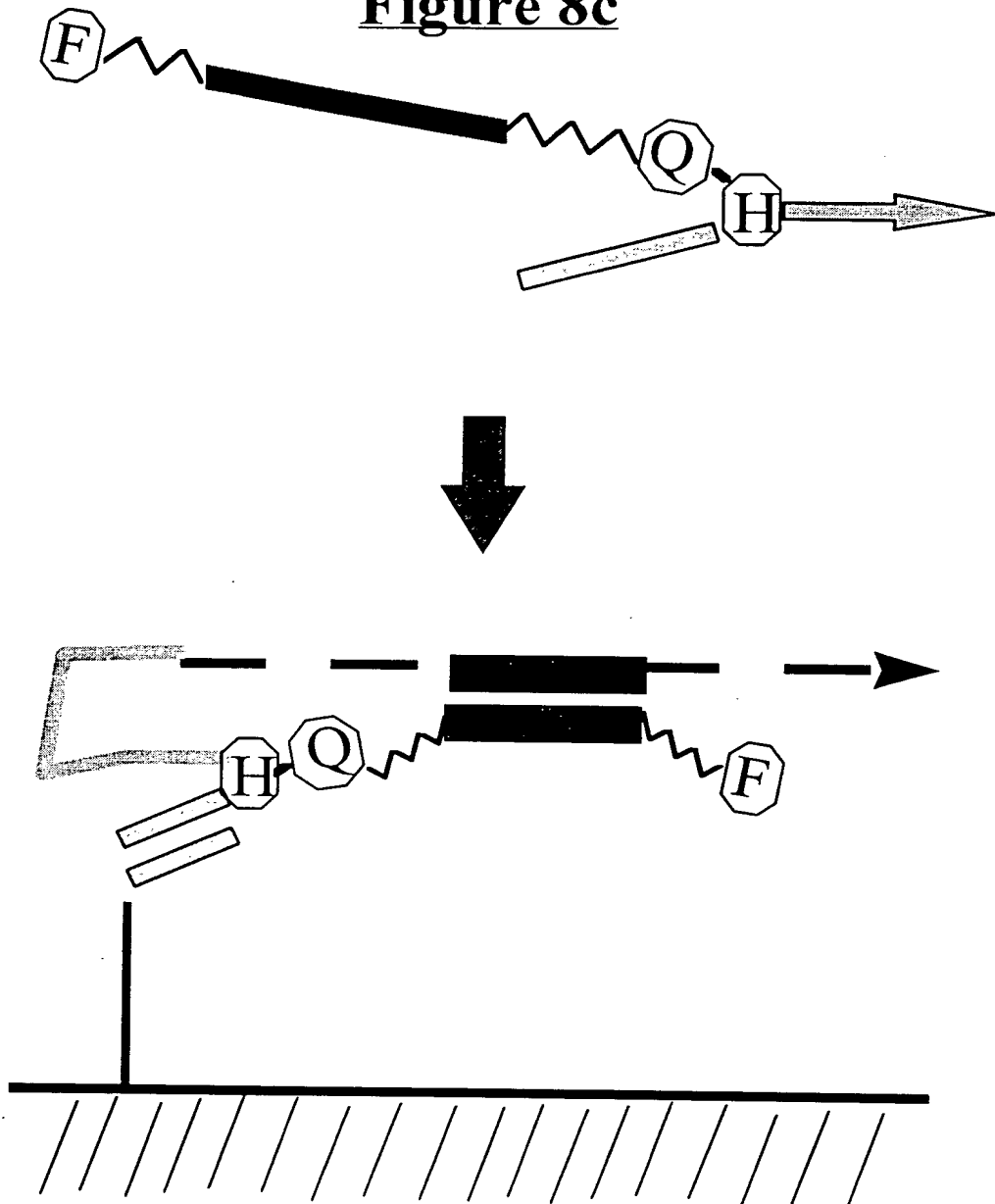
FOOT-0284660

11/42

Figure 8b

05974870-101201

12/42

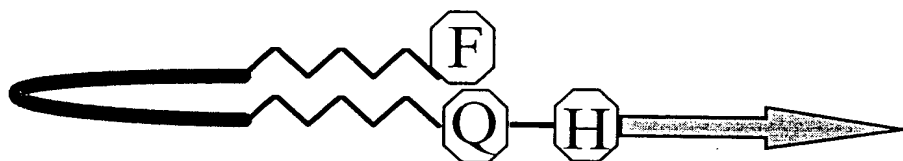
Figure 8c

0994870-101201

13/42

Figure 9

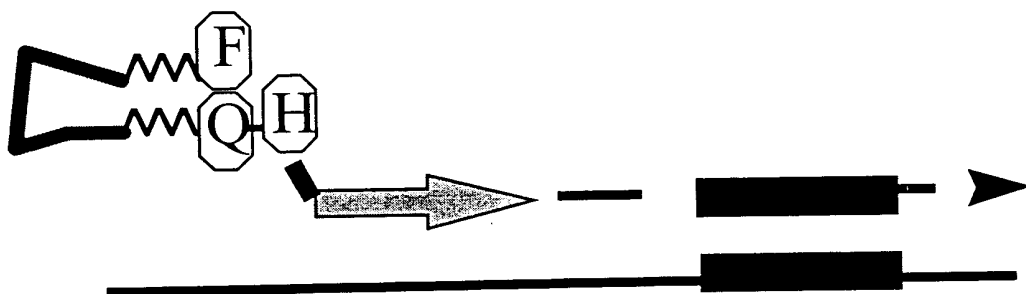
a.



b.

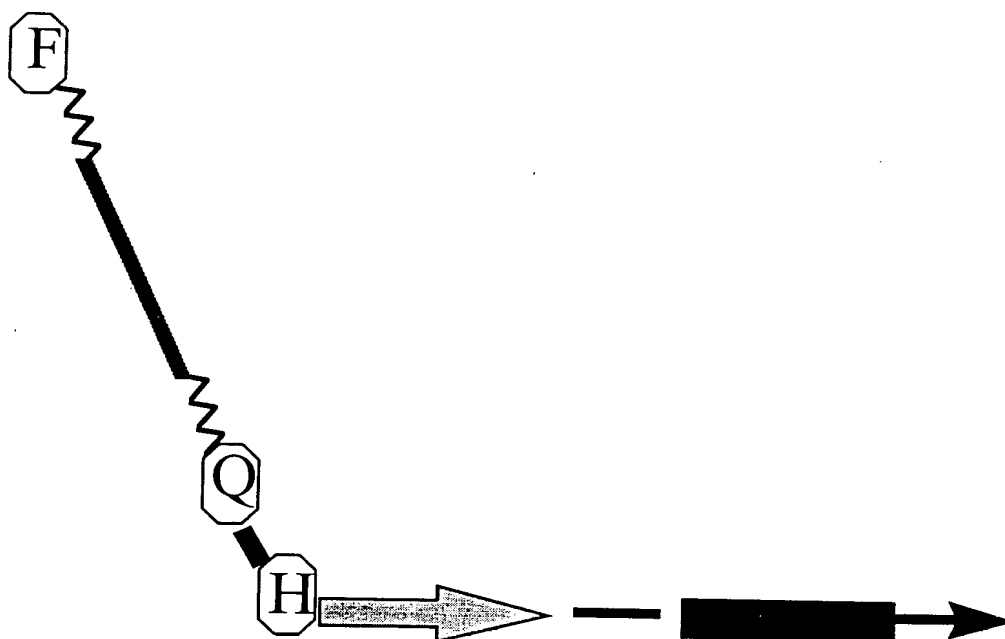
T02F0T* 02842660

14/42

Figure 10a

FOI 0284260

15/42

Figure 10b

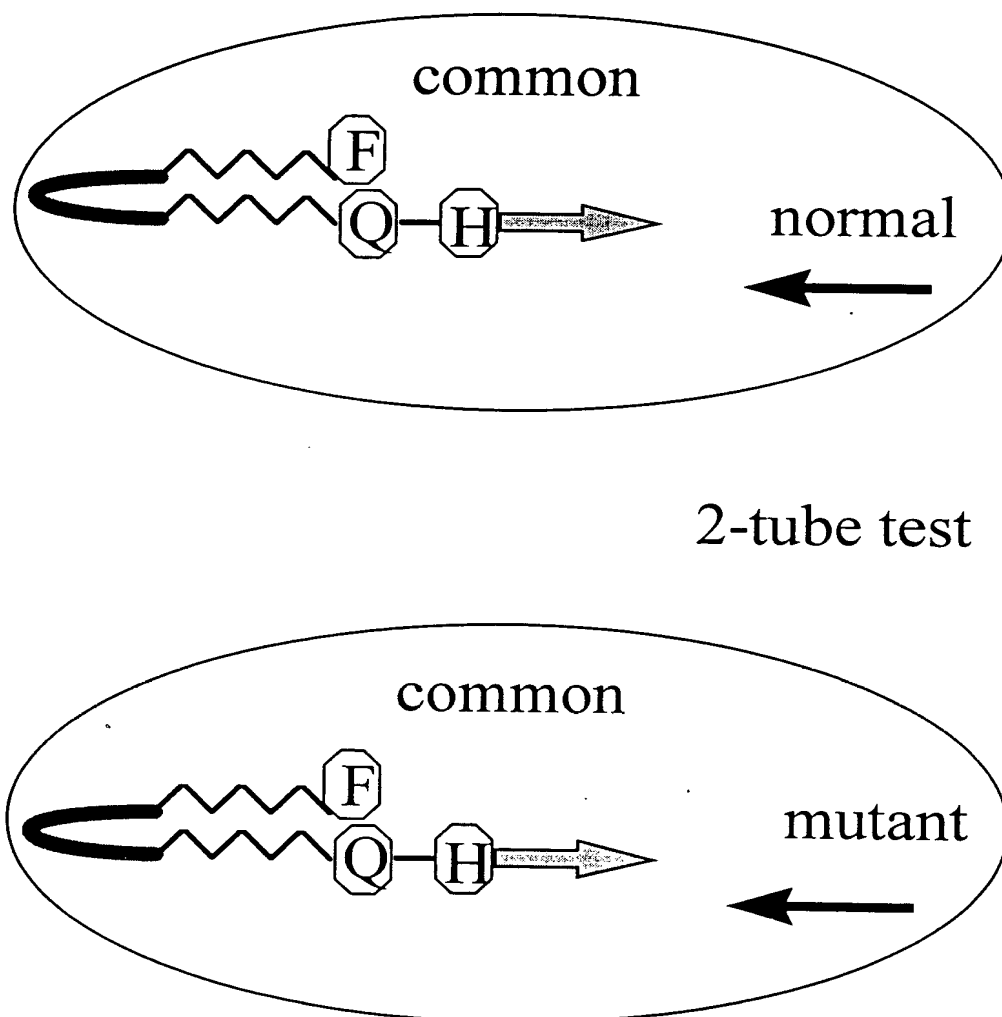
09974870-101201

16/42

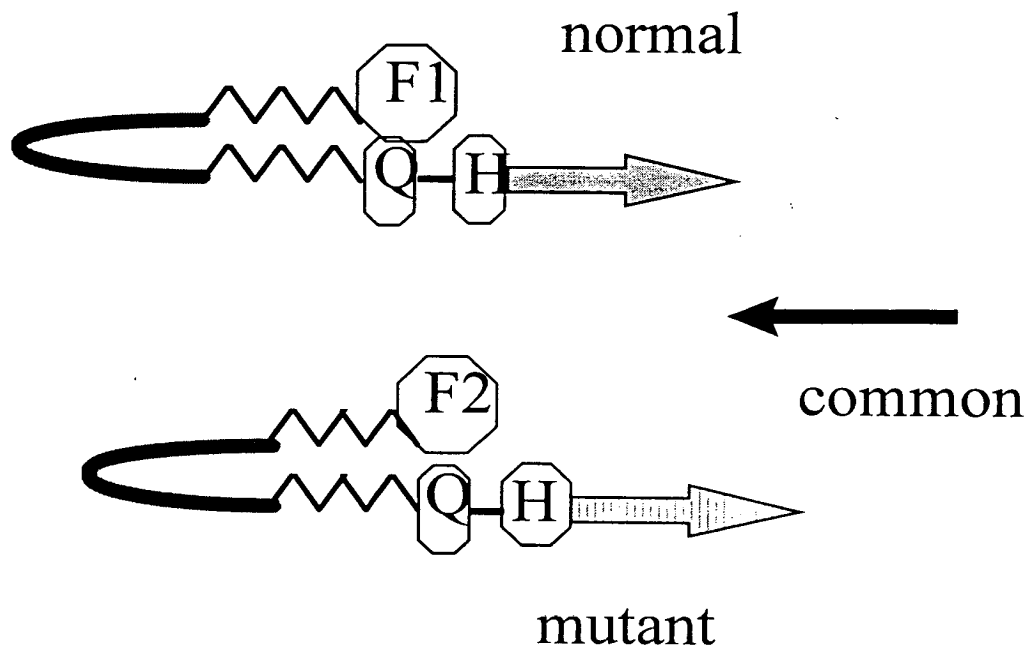
Figure 10c

09974870-101201

17/42

Figure 11a

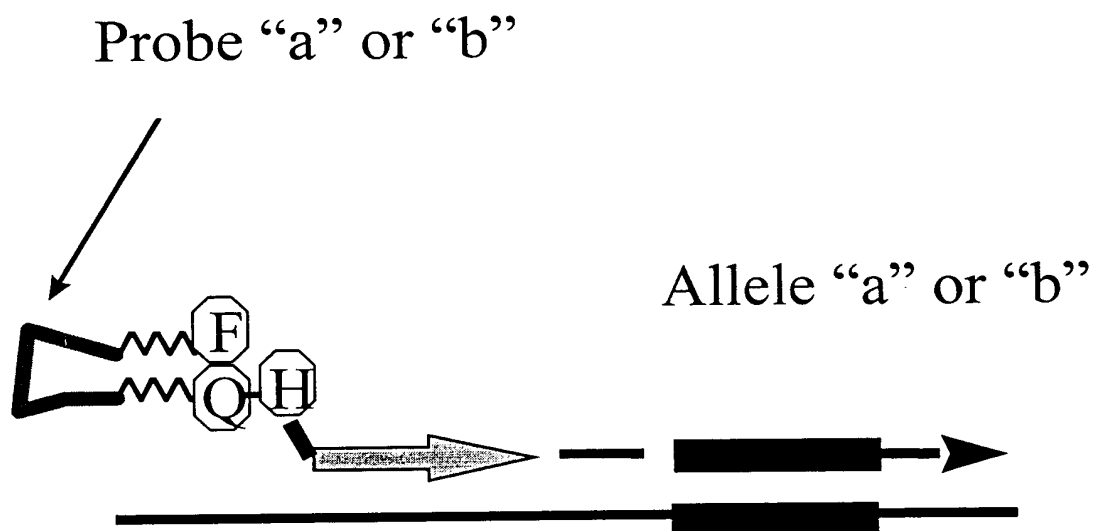
18/42

Figure 11b

Single tube test

T02T01" 02842550

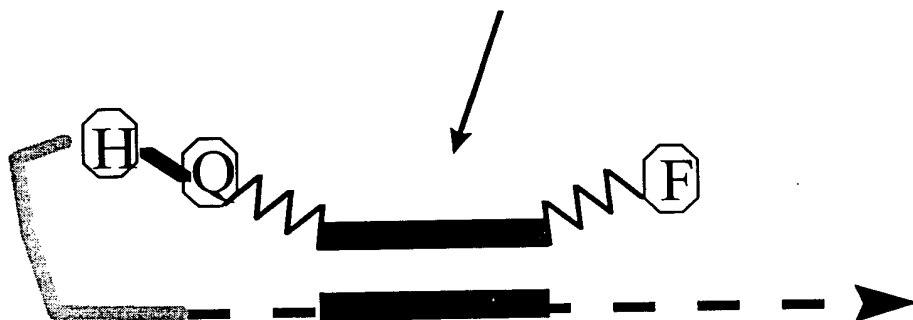
19/42

Figure 12a

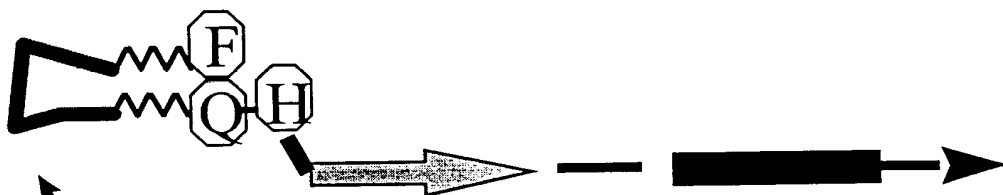
20/42

Figure 12b

Probe matches target,
fluorophore unquenched



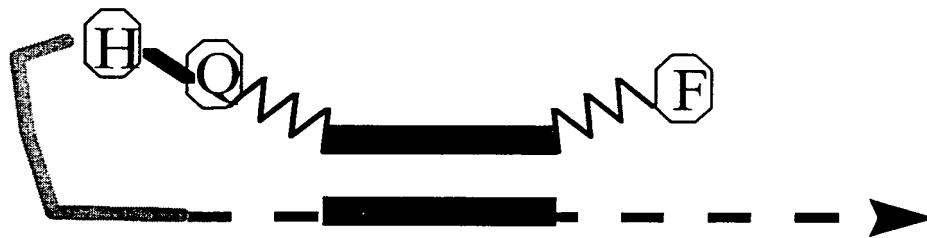
OR



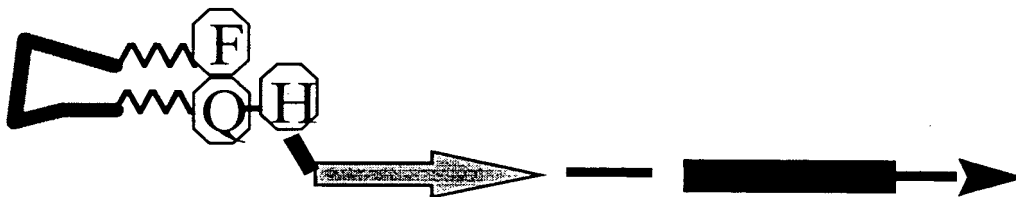
Probe and target mismatch,
internally quenched conformation
forms

09974870-10101
T02T0T" 02842660

21/42

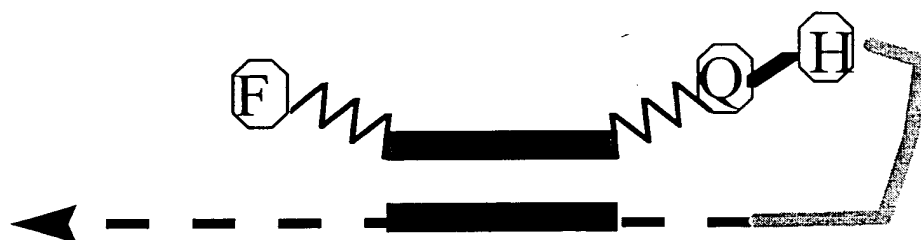
Figure 12c

OR

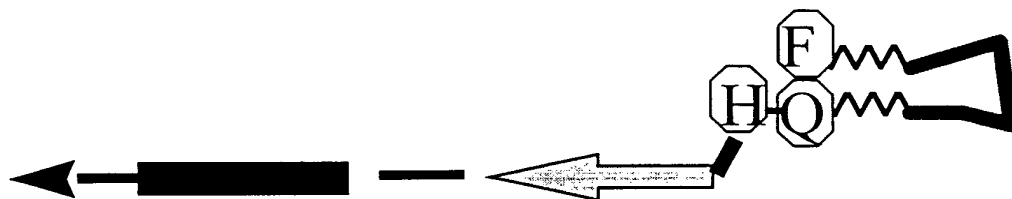


For allele "a" on the forward strand

22/42

Figure 12d

OR



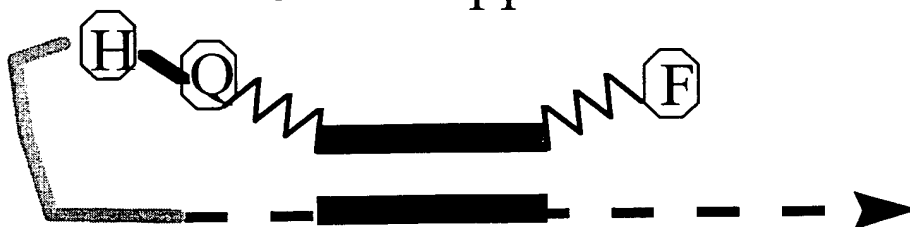
For allele "b" on the reverse strand

02101-04842650

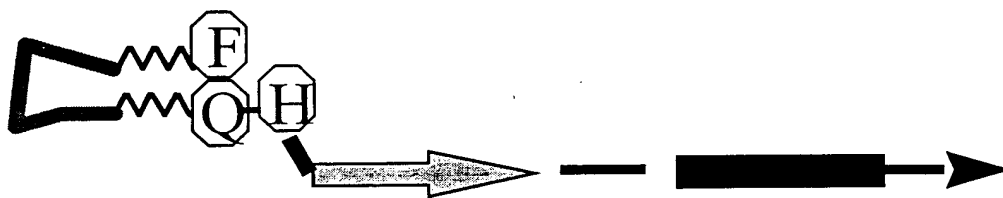
23/42

Figure 12e

Allelic discrimination
on the upper strand

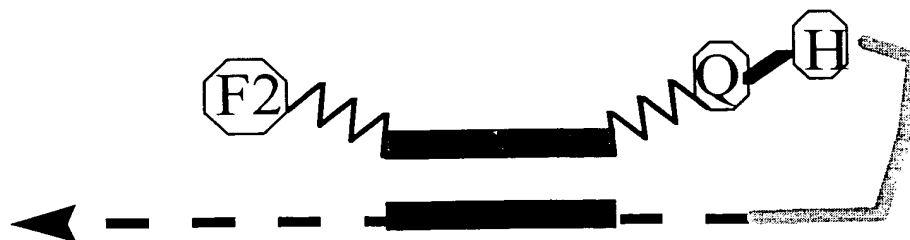


OR



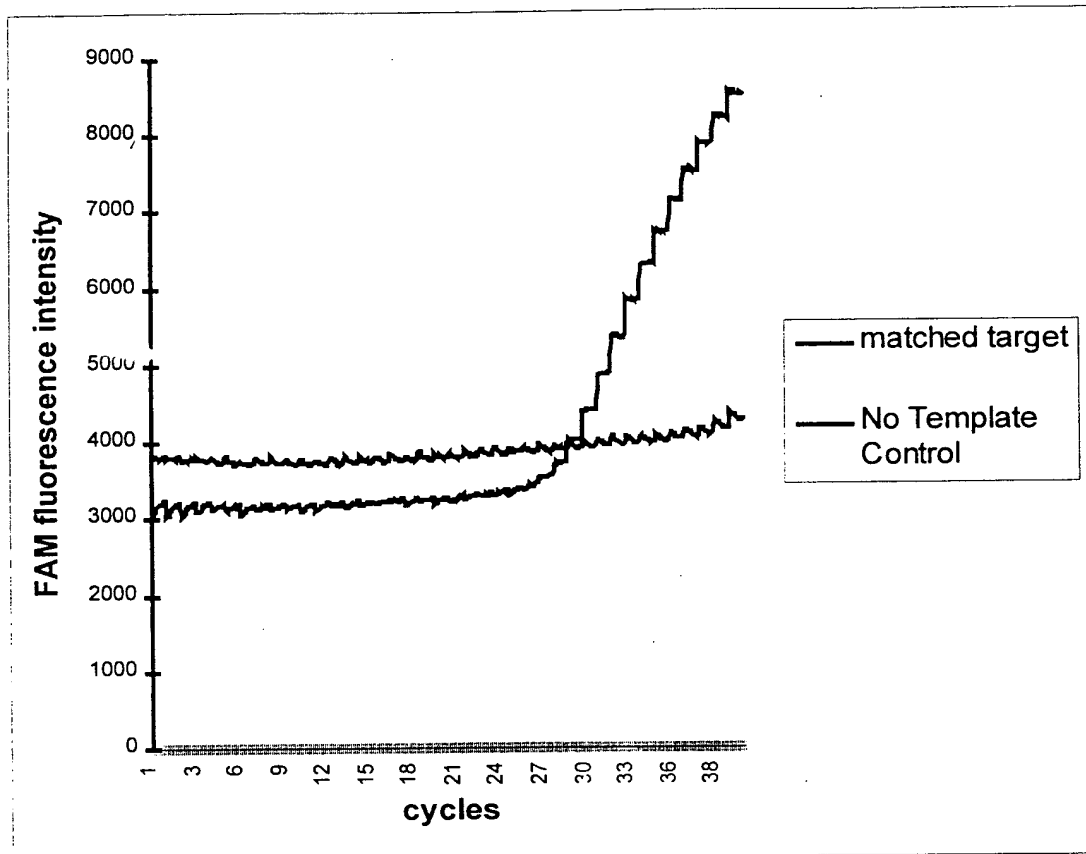
PLUS

Amplicon control on
the other strand
using a second fluorophore



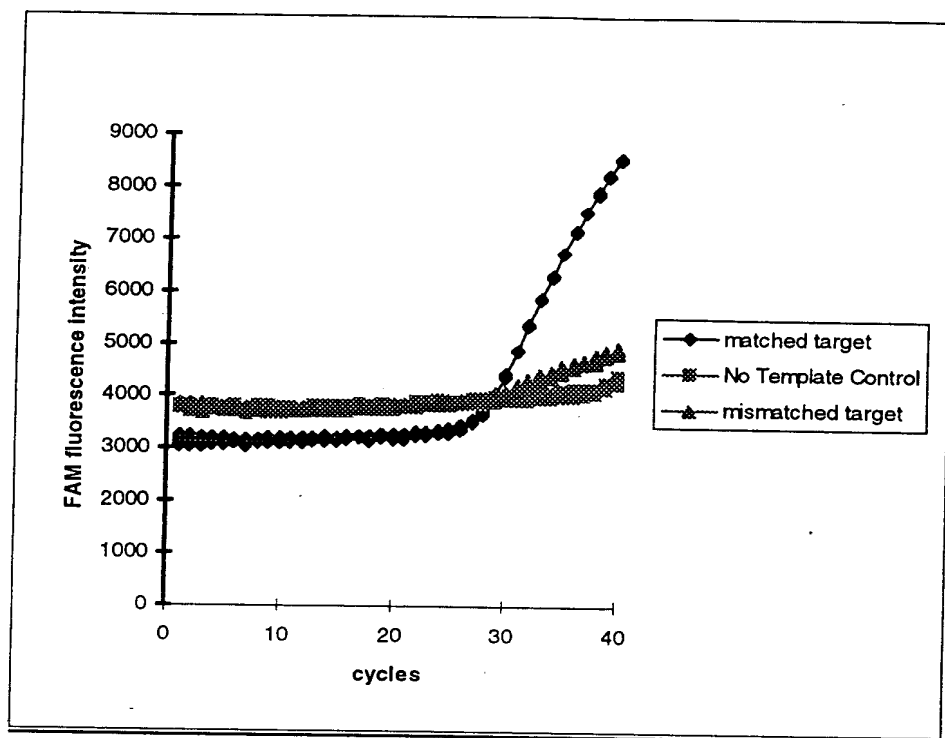
0974870-101201

24/42

FIGURE 13

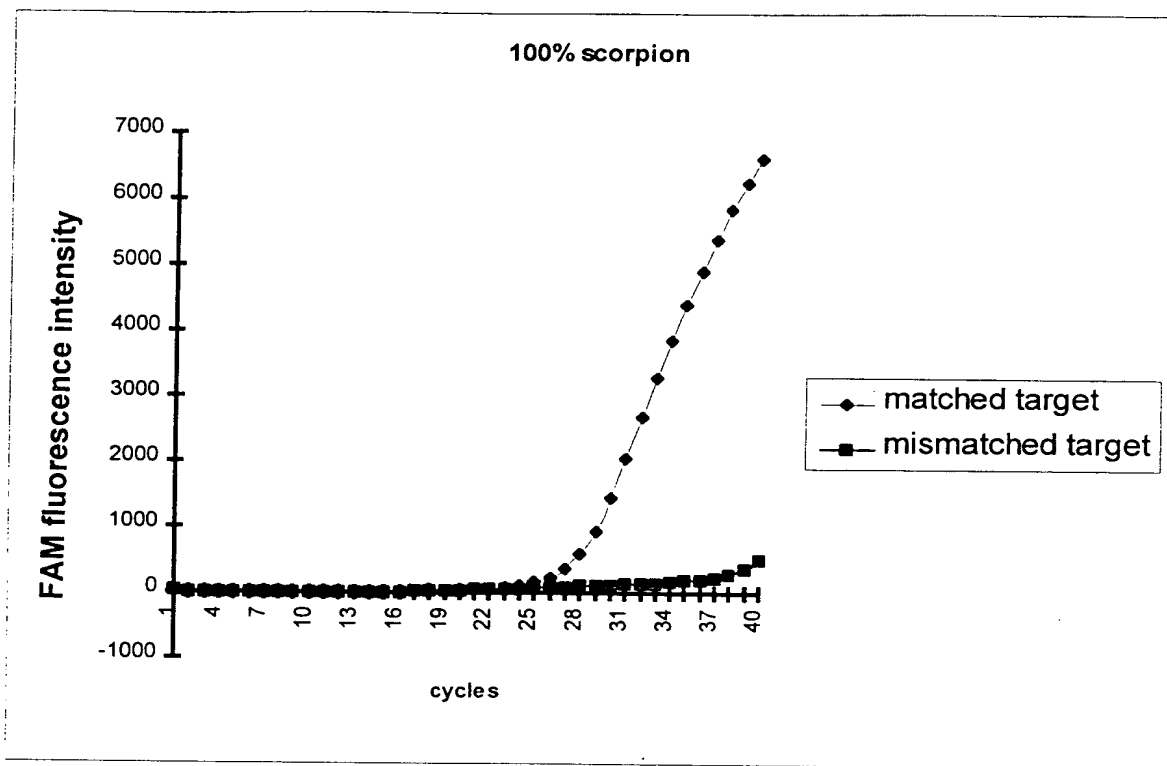
T02T0T" 04842660

25/42

FIGURE 14

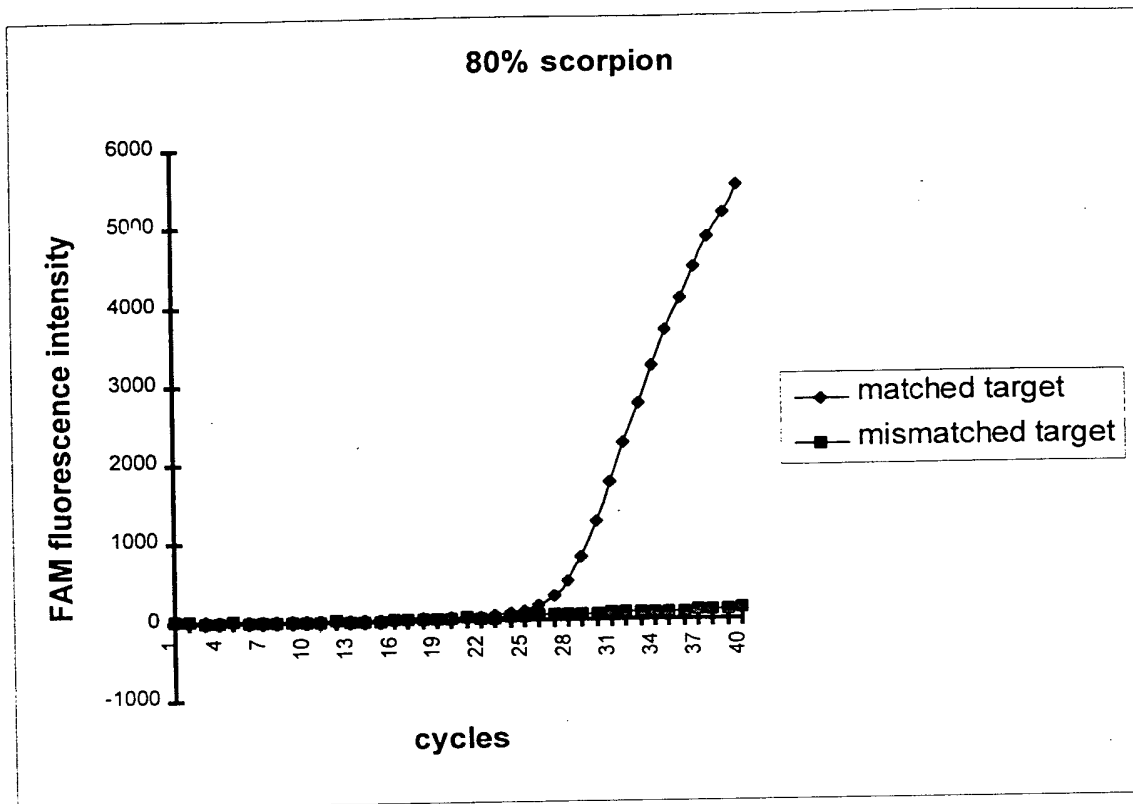
TOTAL 0284650

26/42

FIGURE 15a

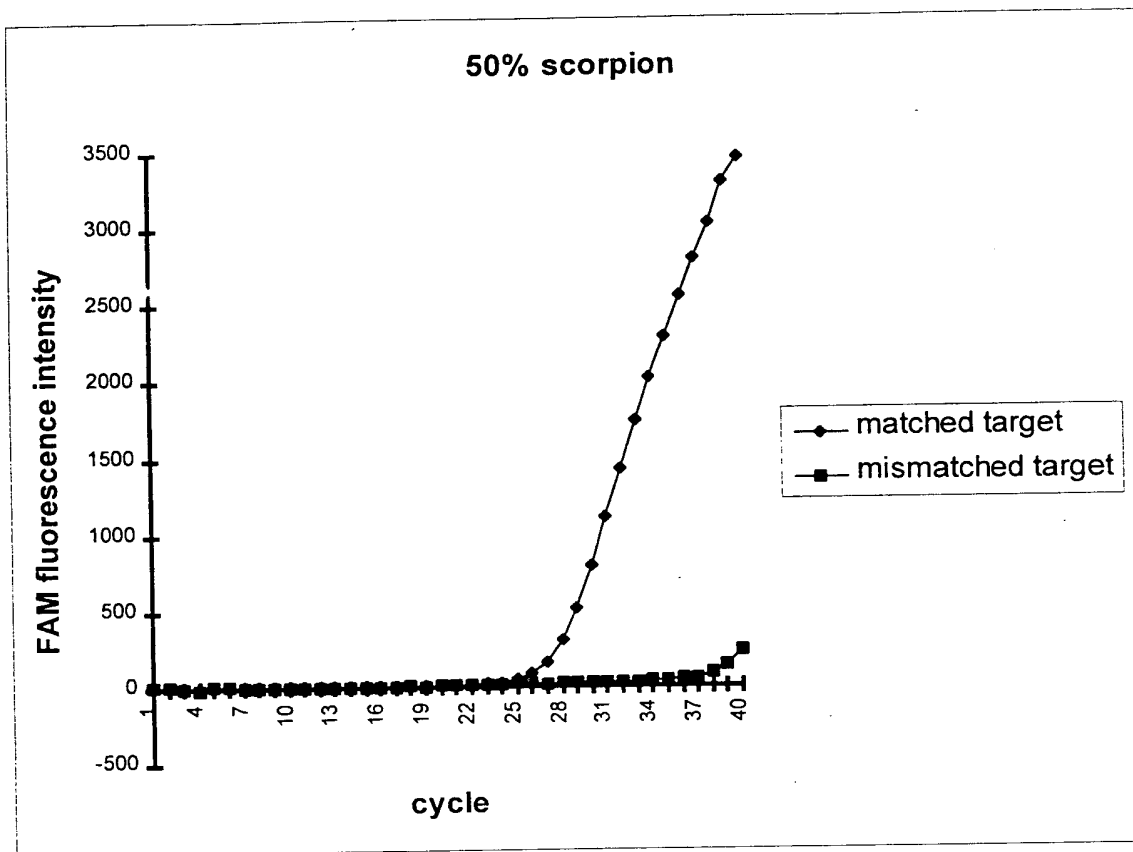
TOTAL 0284660

27/42

FIGURE 15b

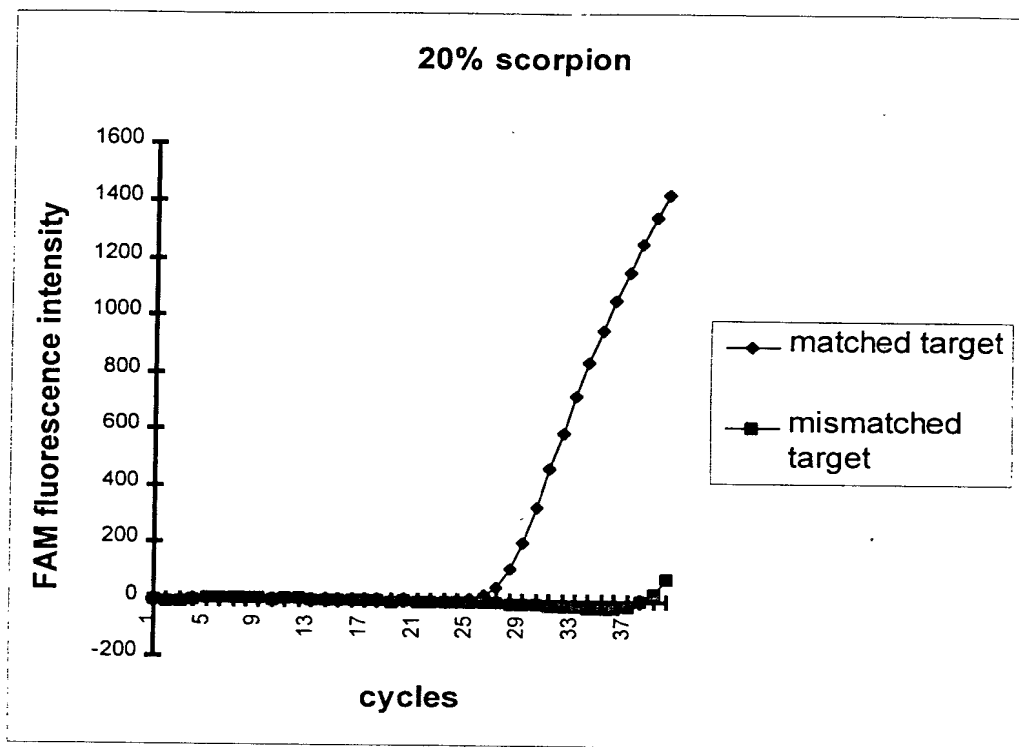
TOTAL 02842550

28/42

FIGURE 15c

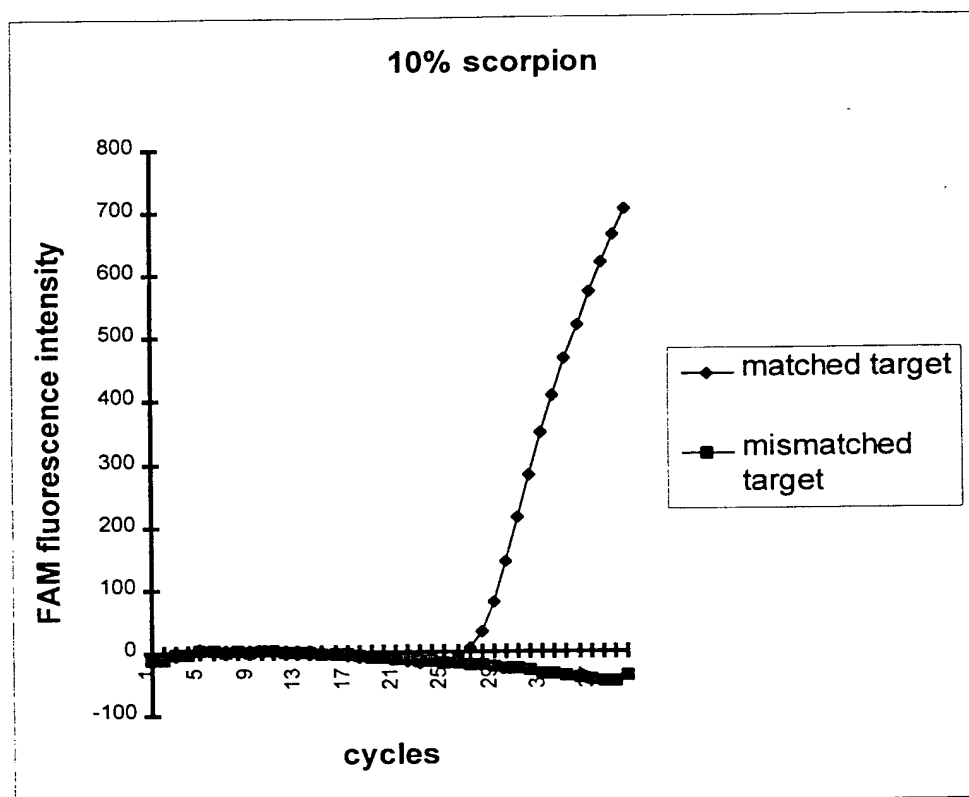
TDETOT 02842660

29/42

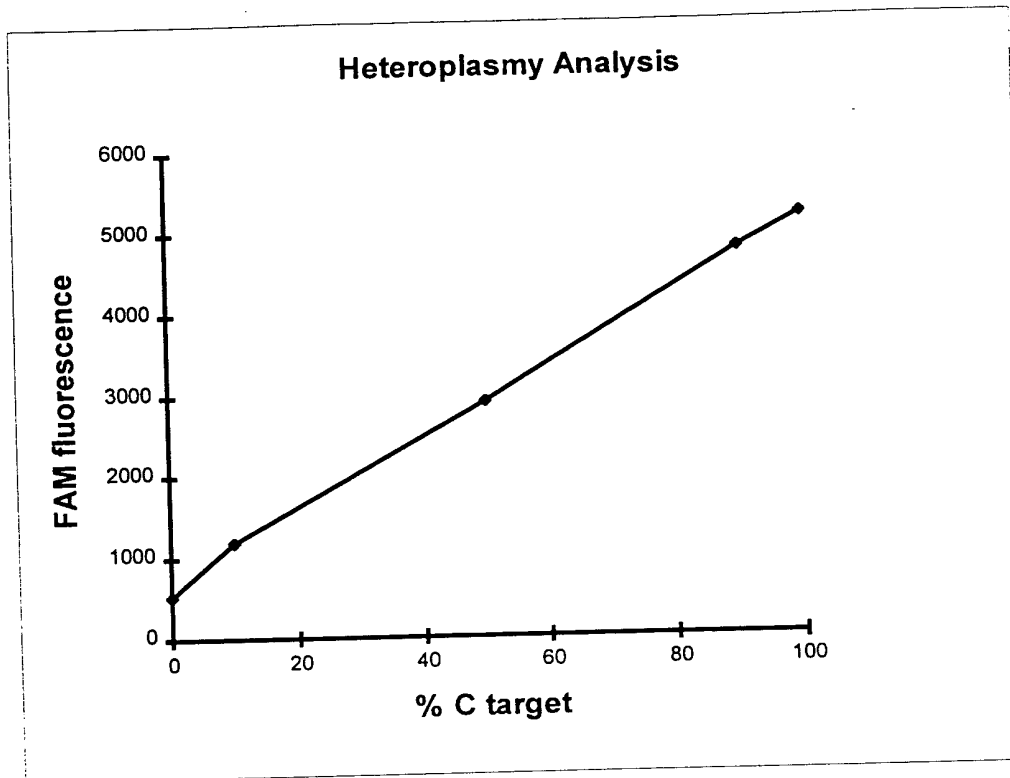
FIGURE 15d

FOETOT 0284660

30/42

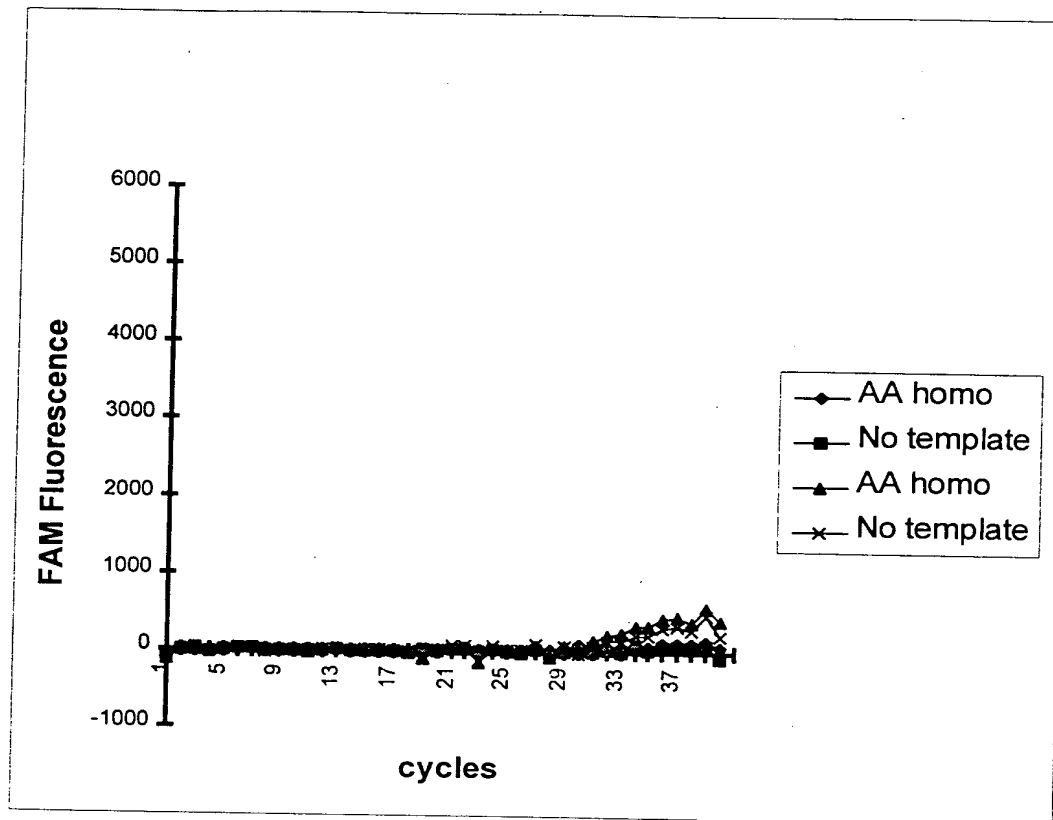
FIGURE 15e

31/42

FIGURE 16

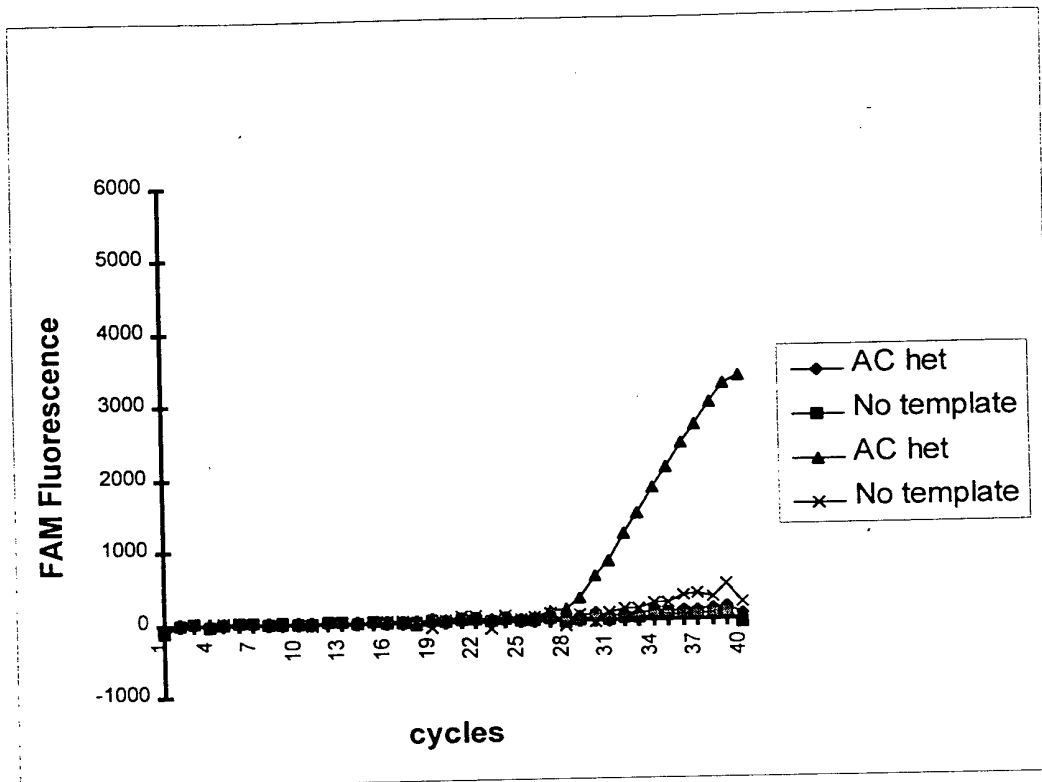
0974870-101201

32/42

FIGURE 17a

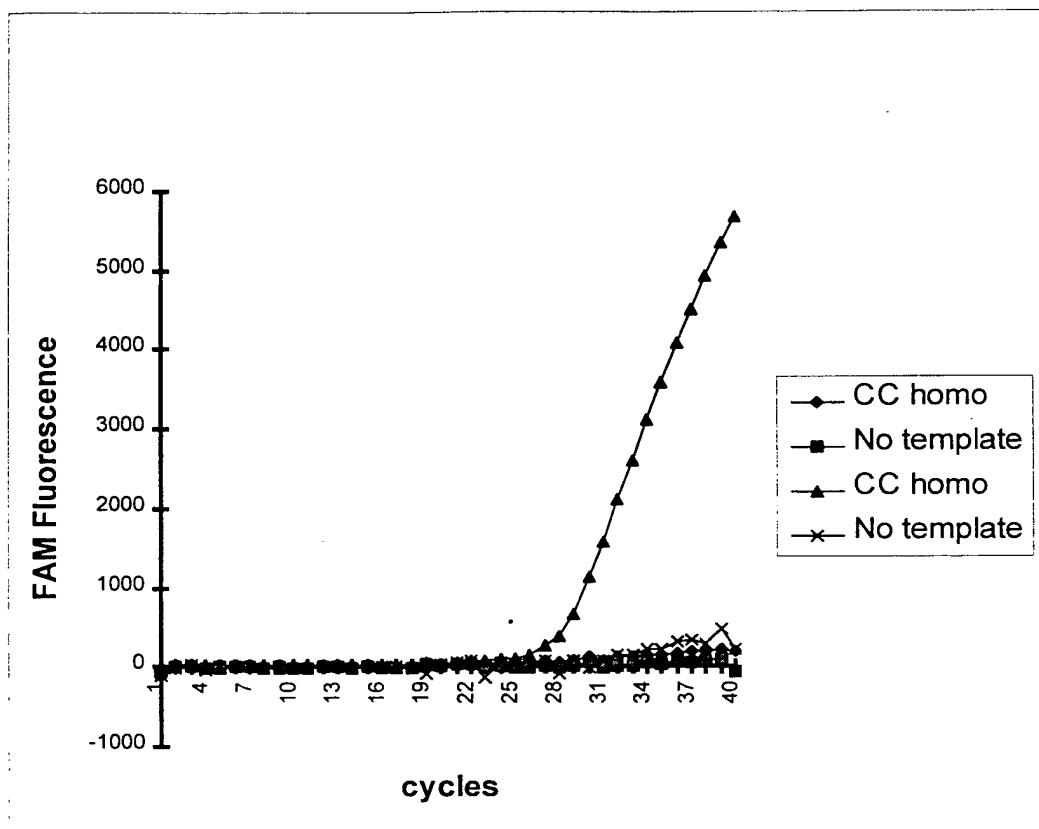
FOOTNOTES

33/42

FIGURE 17b

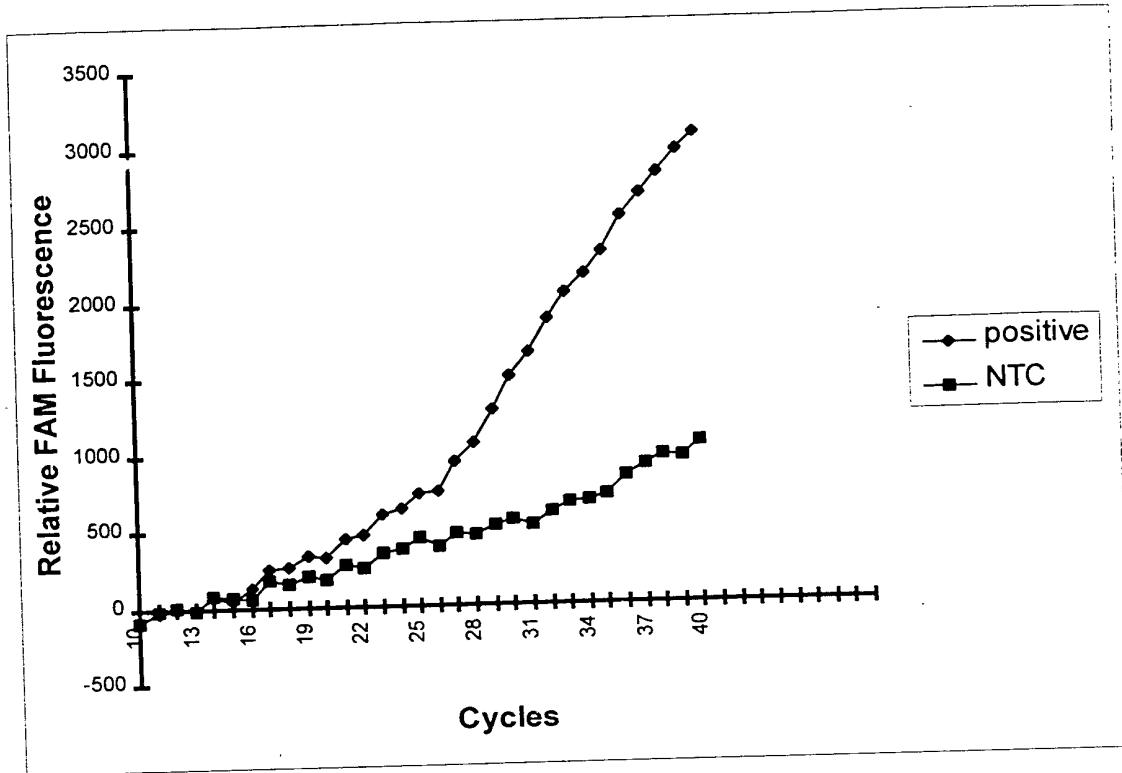
FOOT-04842650

34/42

FIGURE 17c

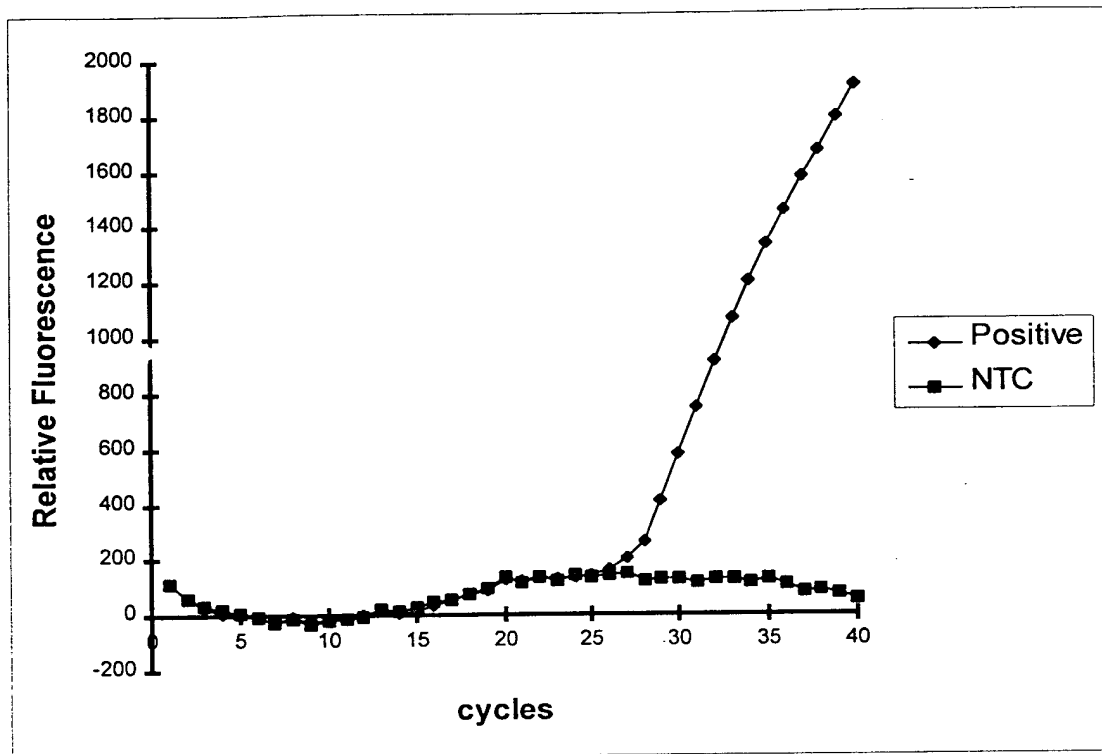
TOTAL 02842660

35/42

FIGURE 18

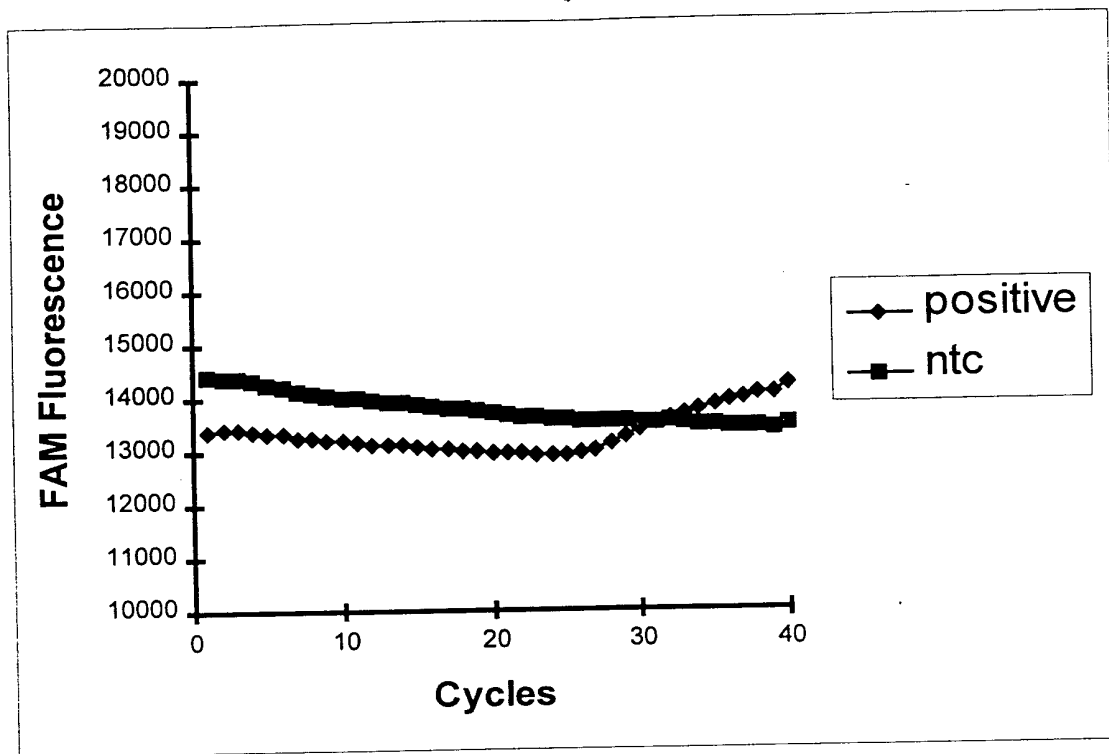
T02F0T-04842660

36/42

FIGURE 19

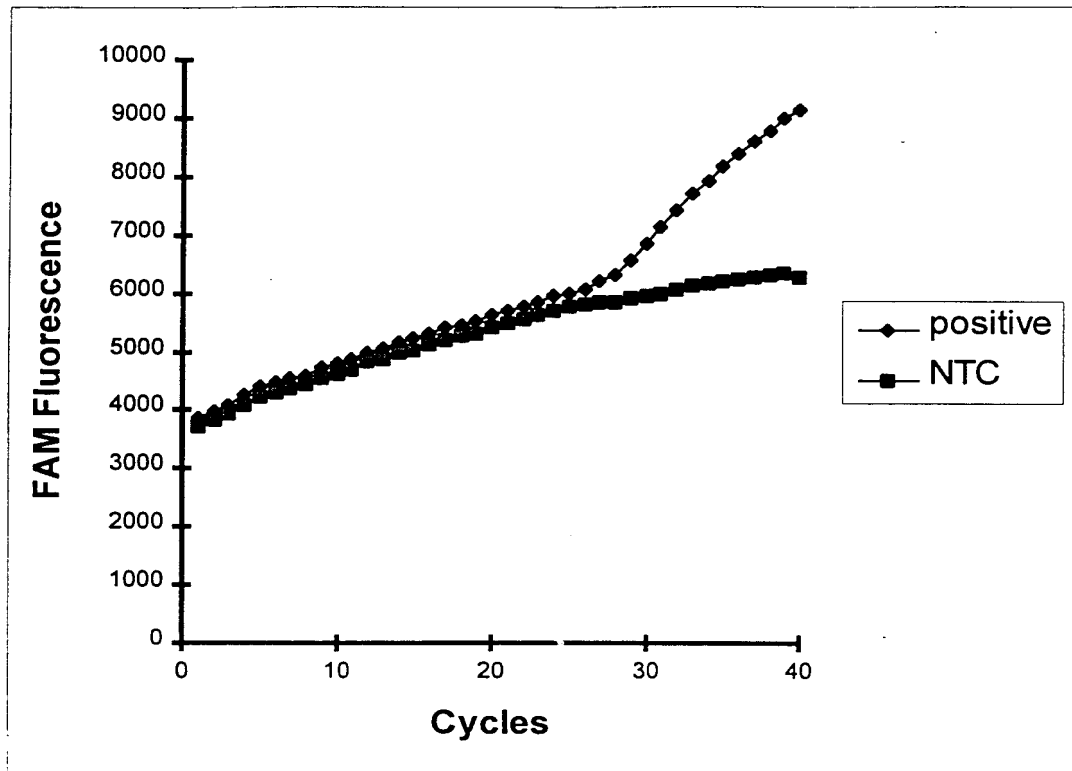
T02TOT-02E44550

37/42

FIGURE 20a

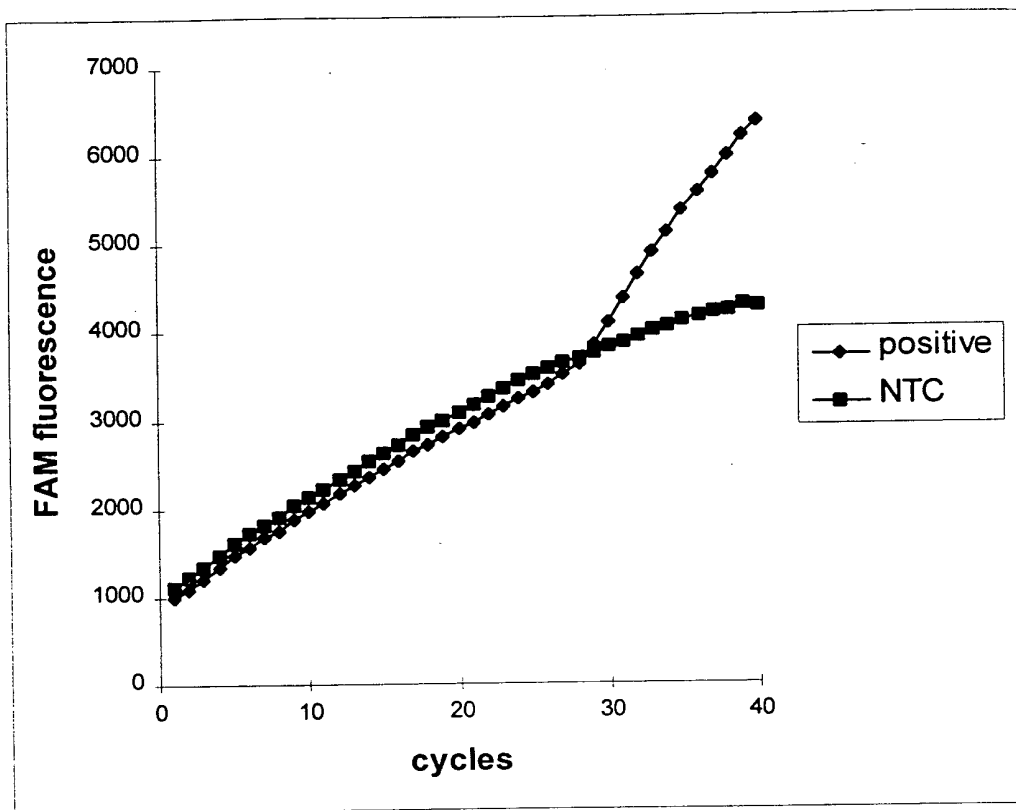
FOI b7E b7C b7D b7F b7G b7H b7I b7J b7K b7L b7M b7N b7O b7P b7Q b7R b7S b7T b7U b7V b7W b7X b7Y b7Z

38/42

FIGURE 20b

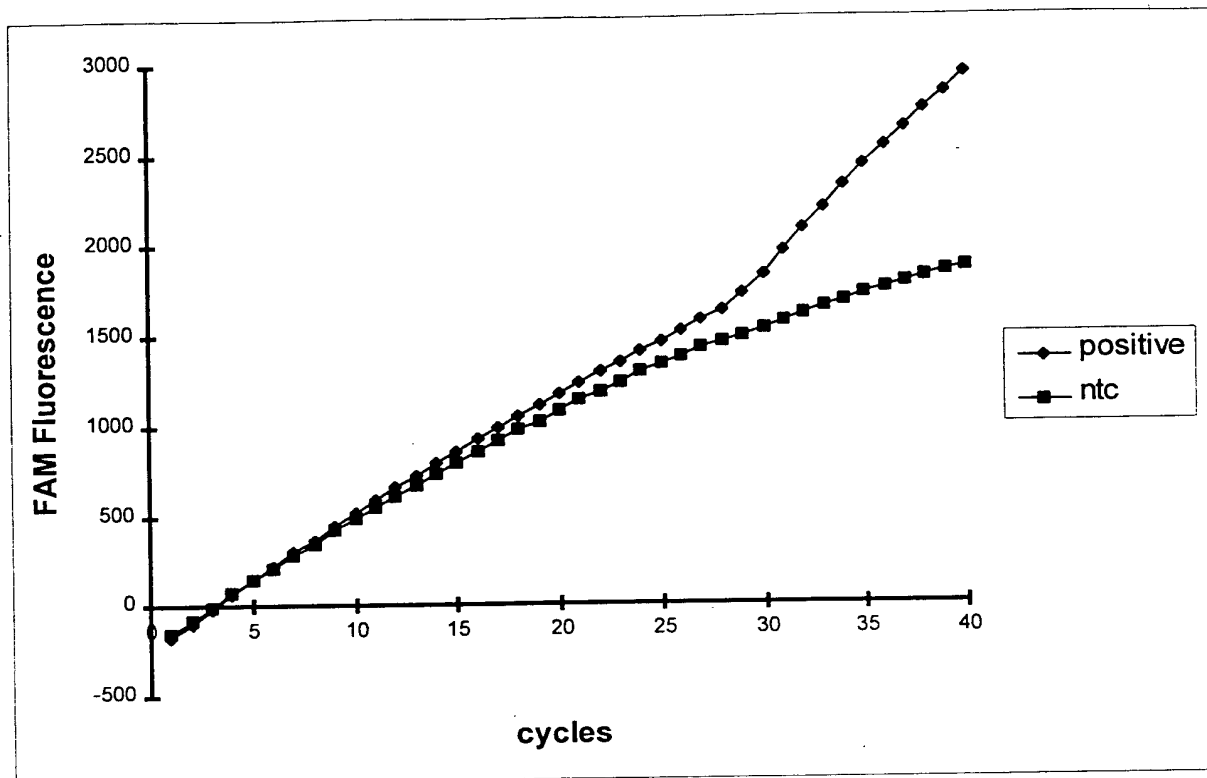
FOOTNOTES

39/42

FIGURE 20c

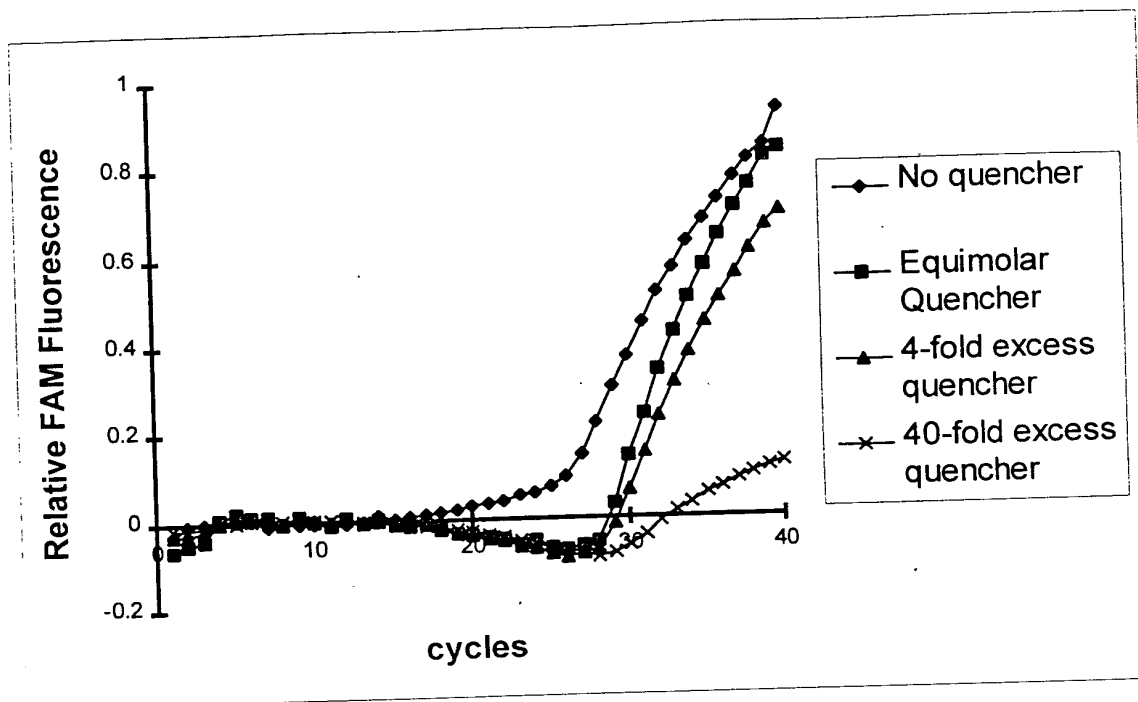
TOTAL 0284660

40/42

FIGURE 20d

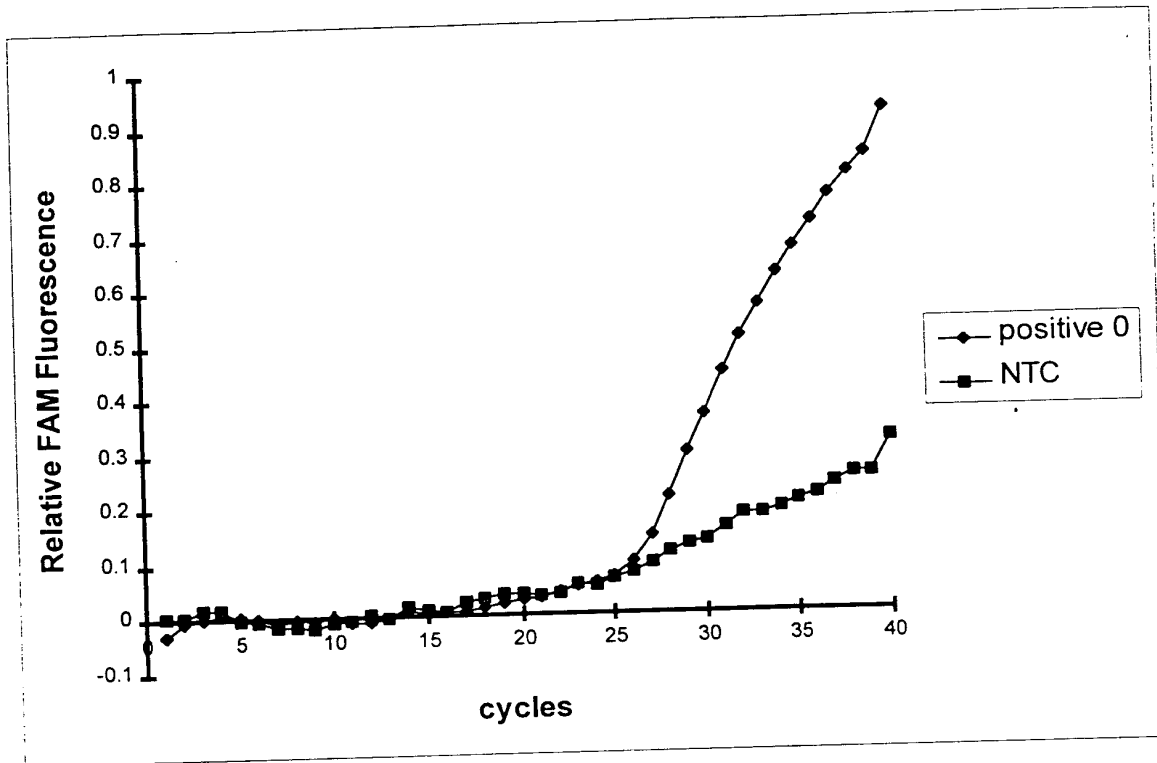
T02T0T" 0/84/660

41/42

FIGURE 21a

TOPTOT 0284660

42/42

FIGURE 21b

T0220T-02B4660